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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/840,205	05/06/2004	Christopher E. Banas	6006-157	7254
7590 11/02/2006			EXAMINER	
ROSENBAUM & ASSOCIATES, P.C. Suite #380			BARRETT, THOMAS C	
650 Dundee Road			ART UNIT	PAPER NUMBER
Northbrook, IL 60062			3738	

DATE MAILED: 11/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		$\mathcal{M}_{\mathcal{I}}$					
	Application No.	Applicant(s)					
Office Action Comments	10/840,205	BANAS ET AL.					
Office Action Summary	Examiner	Art Unit					
	Thomas C. Barrett	3738					
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with	the correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING D. Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA: 36(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS b, cause the application to become ABANI	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 17 A	ugust 2006.						
2a)⊠ This action is FINAL . 2b)☐ This							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-16</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
<u> </u>	6) Claim(s) 1-16 is/are rejected.						
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	or election requirement						
of Claim(s) are subject to restriction and/o	or croston requirement.						
Application Papers							
9) The specification is objected to by the Examine							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some ★ c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Burea	u (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)	4)	man (PTO 412)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date							
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Infor 6) Other:	mal Patent Application					
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DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-16 have been considered but are most in view of the new ground(s) of rejection.

The Applicant's reply regarding the Information Disclosure Statement is noted. However, the references now supplied were not submitted with a new IDS, and either a statement as specified in 37 CFR 1.97(e) or fee as set forth in 37 CFR 1.17(p). Therefore the references supplied have not been considered.

Regarding "undulations" Palmaz et al discloses (page 5, lines 13-25):

"In accordance with one of the embodiments of the present invention, there is provided a stent-graft-type device, termed a "web-stent" in which there is at least one of a plurality of structural members that provide a primary means of structural support for the webbed-stent device. The plurality of structural members may be arranged in any manner as is known in the art of stent fabrication, e.g., single element *forming a circle or ellipse, a single or plural elements which form a tubular diamond-like or undulating pattern*, in which adjacent structural members are spaced apart forming open regions or interstices between adjacent structural members" (emphasis added).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 and 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Palmaz et al (WO 01/74274 A2) in view of Hess (WO 9219310). Palmaz et al discloses an implantable medical graft, comprising: a. a generally tubular body member comprising a film selected from the group consisting of metallic and pseudometallic materials (page 17, lines 1-7); and b. at least a portion of the body member having a plurality of undulations formed in walls of the body member by a support arranged in any manner as is known in the art of stent fabrication (page 5, lines 16-20), and microperforations (e.g. Figs. 2-3 and 8A-8C). However, Palmaz et al does not disclose the support arranged specifically as having continuous circumferential undulations. Hess discloses a stent having continuous circumferential undulations (e.g. Fig. 6A). It would have been obvious to one of ordinary skill in the art to combine the teaching of the stent of Hess, to the implantable medical graft as per Palmaz et al, because Palmaz et al discloses the "web-stent" form of stent-graft as having a support "arranged in any manner as is known in the art of stent fabrication".

Claims 5, 12 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Palmaz et al, in view of Hess as above, in further view of Van Schie et al (6,974,471 B2). Palmaz et al/Hess discloses an implantable medical graft as above. However, Palmaz et al/Hess does not disclose at least one suture member integrally extending along the longitudinal axis and through suture holes. Van Schie et al teaches an implantable medical graft comprising at least one suture member integrally extending

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along the longitudinal axis and through suture holes (e.g. Fig 1). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teaching of at least one suture member integrally extending along the longitudinal axis and through suture holes, as taught by Van Schie et al, to an implantable medical graft as per Palmaz et al/Hess, in order so that "the device can be curved insitu to fit the curved lumen" as found in Van Schie et al (col. 1, lines 44-52).

Claims 6-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Palmaz et al/Hess in view of Van Schie et al as above, and in further view of Kula et al (6,325,825 B1). Palmaz et al/Hess / Van Schie discloses an implantable medical graft as above. However Palmaz et al/Hess / Van Schie does not disclose the thickness of the undulating regions as less than that of the non-undulating regions. Kula et al. teaches an implantable medical graft having thicker ends, which correspond to the nonundulating regions of Palmaz et al/Hess/ Van Schie (col. 4, lines 60-66). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teaching of an implantable medical graft having thicker ends, as taught by Kula et al, to an implantable medical graft as per Palmaz et al/Hess / Van Schie, in order to "protect the artery and any plaque from abrasion that may be caused by the stent 10 ends during insertion of the stent 10. The modification also may provide increased radio-opacity at the ends of the stent 10. Hence it may be possible to more accurately locate the stent 10 once it is in place in the body" as found in Kula et al (col. 4, lines 60-66).

Regarding claim 7 Palmaz et al/Hess/ Van Schie in further view of Kula et al fail to disclose the specific thicknesses of the claimed regions. However, Palmaz et al discloses that the thickness of the microperforated material is approximately 10 micrometers (page 21, lines 13-14). Palmaz et al also discloses that the undulations may be formed by a "subtractive" method (Fig. 10). The reduction of the undulation region relative to the non-undulated region would result in a thickness of the thinner region *about* 3-7 micrometers.

Furthermore, regarding claims 9-10, Palmaz et al/Hess/ Van Schie in further view of Kula et al fail to disclose the suturing openings as cruciform or generally Y-shaped slots. At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to make the slots these shapes. Applicant has not disclosed that these shapes provides an advantage, is used for a particular purpose, or solve a stated problem. One of ordinary skill in the art, furthermore, would have expected Applicant's invention to perform equally well with either the holes of Van Schie et al or the claimed slots because both allow for the passage of sutures. Therefore, it would have been obvious to one of ordinary skill in the art to modify the cited references to obtain the invention as specified in claims 9 and 10. Please note that the Applicant may have intended to claim the microperforations as cruciform or generally Y-shaped slots.

Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Palmaz et al/Hess as above in view Banas et al (5,749,880). Palmaz et al/Hess discloses an implantable medical graft as above. However Palmaz et al/Hess does not disclose the implant having barbs. Banas et al teaches an implantable medical graft having

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projecting barb members (col. 14, lines 48-54). It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teaching of projecting barb members, as taught by Banas et al, to an implantable medical graft as per Palmaz et al/Hess, in order to aid in anchoring to the target blood vessel wall, as in Banas et al (col. 14, lines 48-54).

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas C. Barrett whose telephone number is (571) 272-4746. The examiner can normally be reached on Mon. -Fri. from 9:00-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on (571) 272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Thomas C. Barrett

Examiner

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TOM BARRETT
PRIMARY EXAMINER
TECHNOLOGY CENTER 3700